

In re: Cho  
Serial No. 10/727,031  
Filed: December 2, 2003  
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### **REMARKS**

Applicant responds herein to each of the issues raised in the Final Action mailed August 23, 2006 and the Advisory Action mailed October 3, 2006. Applicant submits the present application is in form for allowance for the reasons discussed below.

#### **The Prior Art Rejections:**

Claims 1, 3, 5, 8, 11, 14-16, 23-25 and 28-29 stand rejected as anticipated under 35 U.S.C. § 102 in light of United States Patent No. 5,739,730 to Rotzoll ("Rotzoll"). Final Action, p. 2. Claims 1-31 stand rejected as obvious under 35 U.S.C. § 103 in light of United States Patent Application Publication No. 2003/0048145 to Albon *et al.* ("Albon") in view of United States Patent No. 5,648,744 to Prakash *et al.* ("Prakash") and further in view of Rotzoll. Office Action, p. 3. To assure that this amendment is considered fully responsive to the Final Action, Applicant's previous amendments are incorporated herein by reference in their entirety.

As an initial matter, Applicant submits the claims are allowable at least for the previously presented reasons related to the distinctions between varactors and capacitors, which are separately recited in each of independent Claims 1, 11, 14 and 23. However, to expedite issuance of the present application, the independent claims have each been further amended to further distinguish over the cited art.

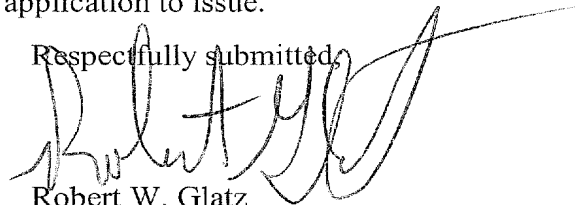
The independent claims have been amended above to include recitations related to controlling the capacitance of the switched varactor circuit/unit based on signals provided to the switched capacitor circuit to limit variation in a ratio of the capacitance of the varactors to a whole capacitance of the oscillator. Such an arrangement is illustrated, for example, in Figure 8 of the present application, wherein the signals D0, D1, ... D(n-1) are shown as being provided both to the switched capacitor unit 731 and the switched varactor unit 733 from the control circuit 740. *See*, Specification, page 12, lines 18-28; Figure 8. Such an arrangement is clearly not disclosed or suggested by the cited references. Accordingly, independent Claims 1, 11, 14 and 23 are also patentable for at least these additional reasons.

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### CONCLUSION

Applicant respectfully submits that, for the reasons discussed above and in the previous amendments, the references cited in the present rejections do not disclose or suggest the present invention as claimed. Accordingly, Applicant respectfully requests allowance of all the pending claims and passing this application to issue.

Respectfully submitted,

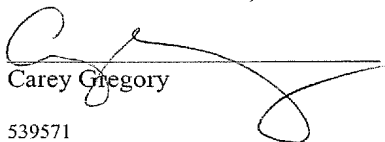


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### CERTIFICATION OF TRANSMISSION UNDER 37 CFR § 1.8

I hereby certify that this correspondence is being transmitted electronically to the U.S. Patent and Trademark Office on October 30, 2006.



Carey Gregory

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